




#23<sup>4</sup>  
3.17.03

## PATENT

I certify that on **March 7, 2003**, which is the date I am signing this certificate, I am depositing this correspondence in the United States Postal Service, first class mail, in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231

  
Joy Johnson

**Applicant:** Ronald M. Hickling

**Serial No.:** 09/241,994

**Filed:** February 2, 1999

**Title:** Direct Conversion Delta-Sigma Receiver

**Examiner:** Young T. Tse

**Group Art Unit:** 2634

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
Washington, D.C. 20231

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT [37 C.F.R. § 1.56]

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant brings the references listed on the attached Form PTO-1449 to the examiner's attention. 37 C.F.R. § 1.56. Do not construe the filing of this information disclosure statement as a representation that applicant has made a search (37 C.F.R. § 1.97(g)), or as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. We enclose copies of the cited documents.

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS:

"Continuous-Time Filters", Rolf Schaumann and Mehmet Ali Tan, Chapter 9, pp. 371-386, from *Analogue IC Design: the current-mode approach*, (1990)

"An Overview of Basic Concepts", J.C. Candy, Chapter 1, pp. 1-43, from *Delta-Sigma Data Converters Theory, Design, and Simulation*, (1997)

This Information Disclosure Statement is being submitted: on or before payment of the issue fee.

03/14/2003 AADOF01 00000012 09241994

01 FC:1806

180.00 OP

This Supplemental Information Disclosure Statement is accompanied by the fee under 37 CFR § 1.97(c) and 37 CFR § 1.17(p) in the amount of \$180.00.

If the transmittal letter is separated from this document and the PTO determines that an extension or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 16-2230** referencing Matter No. 500024-19.

Respectfully submitted,

March 7, 2003

  
\_\_\_\_\_  
Joel Voelzke, Reg. No. 37,957  
Attorney for Applicant

Attachments:

Our Check No. 025894 for \$180.00;  
Form 1449B/PTO and  
References cited therein; and  
Return Acknowledgement card

**OPPENHEIMER**

OPPENHEIMER WOLFF & DONNELLY LLP

**OPPENHEIMER WOLFF & DONNELLY LLP**

2029 Century Park East, 38<sup>th</sup> Floor

Los Angeles, CA 90067-3024

Telephone: (310) 788-5000 • Fax: (310) 788-5100